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COUNTRY REPORT ON
EAST GERMANY

SUBJECT
Highways East Germany

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Transmitted herewith is the complete text and map of the basic study of
the Highways of East Germany.

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This report transmits the complete text and map of the basic study of the Highways of East Germany.

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HIGHWAYS

EAST GERMANY

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EAST GERMAN HIGHWAY STUDY

The study presents information on selected highways in East Germany. It consists of an overprint on a special base map supplemented by this text.

The textual information includes a summary of importance, condition and recent construction along each route, with the addition of a Route Log.

The Route Log is a detailed description of all important structures as they appear along the route.

All bridges that cross a water gap over thirty meters, that exceed one hundred meters over a dry gap, or that have a limited capacity of less than forty tons are shown. Critical points appearing on the map are explained in detail in this text under the appropriate Route number.

Changes and additions will be forwarded as the receipt of valid information warrants.

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CONFIDENTIAL**GENERAL STATEMENT
HIGHWAYS, EAST GERMANY**

February 1957

The highway system of East Germany is well developed and compares favorably with the networks of other Central and Eastern European countries. The flow of traffic is concentrated between the major cities of Berlin, Schwerin, Magdeburg, Leipzig, Halle, Erfurt, Chemnitz and Dresden.

Since WW II, the highways of East Germany have steadily deteriorated due to the increased cost of maintenance and the practice of employing politically qualified, rather than technically qualified supervisors and key personnel. A shortage of cement and high grade tar for surfacing, makes adequate maintenance a continuous problem. Russian orders, that strategic military roads be given maintenance priority, further lessens the repair work which can be accomplished for ordinary traffic needs.

There are several major construction and repair projects presently underway. A bypass and an overpass over the RR marshalling yard is being built in Perlberg (PD 9285) on Route XVII. A bypass is under construction on Route VI at Neubrandenburg (UV 3160) and there is also general road construction along this route from Wildberg (UU 3160) to Eberswalde (VU 2055). Route XIII is under construction from VU 755252 to UT 7878. Route XIV is being resurfaced with cobblestones from US 238942 to US 264955. Currently underway is the extension of the Autobahn, Route X, to the Polish border. This was 80% complete in 1955.

Only the major traffic lines remain open to interzonal and international travel, as most of the former border crossing points have not been re-established. Destroyed bridges were purposely left unrepaired at PD 49159070 (Elbe River), NE 866521 (Weser River), PA 77788885 (Saale River), WU 52707792 (Neisse River), and WS 99456592 (Neisse River), so that these former crossing points would remain closed.

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Route II

Selmsdorf (PE 2272) to Neu Lienkin (VV 5823)

This major route, serving north Germany, connects the cities of Rostock, Stralsund, Greifswald, Anklam and Pasewalk. Its length is 331 km.

This highway varies in width from 6 - 8 meters, with 1 - 2 meter shoulders. It has for the most part a tarred macadam surface with areas of cobblestone. The overall route classification is poor to excellent.

There are four critical points at VA 528192, UV 941960, VV 138689 and VV 330298.

ROUTE LOG

<u>No</u>	<u>Item</u>	<u>UTM</u>	<u>km</u>	<u>Remarks</u>
1	Begin	PE 189723	0.0	Beginning of Route II, 7 km east of Lubeck.
2	City	PE 6274	50.0	Town: Wismar Remarks: none
3	City	UV 1297	112.0	Town: Rostock Remarks: none
4	Bridge	UA 528192	163.0	Crossing: Barthe River Type: unknown Length: unknown Critical span: unknown Capacity: 8 tons Water gap: unknown Remarks: Critical point, large vehicles must detour. EIC 7 J7
5	City	UA 7618	186.0	Town: Stralsund Remarks: none
6	Bridge	UV 941960	219.0	Crossing: Ryck Graben Type: Masonry arch Length: 40 m - 2 spans Critical span: unknown Capacity: 25 - 30 tons Water gap: unknown Remarks: Critical point EIC 4 K8

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<u>No</u>	<u>Item</u>	<u>UTM</u>	<u>km</u>	<u>Remarks:</u>
7	City	UV 9495	220.0	Town: Greifswald Remarks: none
8	Bridge	VV 330298	230.0	Crossing: Uecker River in Pasewalk Type: Concrete girder Length: 30 m - 1 span Critical span: unknown Capacity: 30 tons Water gap: unknown Remarks: Critical point EIC 12 L8
9	Bridge	VV 138689	255.0	Crossing: Peene River at Anklam Type: Steel beam Length: 36 m - 4 spans Critical span: unknown Capacity: 40 tons Water gap: 20 m Remarks: Critical point. Constricts traffic EIC 17 K8
10	End	VV 580231	331.0	Neu Lienkin, end of Route II

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Route # IV

Selmsdorf (PE 2272) to Neu Lienkin (VV 5323)

Route IV, a major east-west transportation route, joins the cities of Schwerin, Neubrandenburg, and Pasewalk in northern East Germany. Its length is 300 km. It is generally straight and passes through low rolling lake studded terrain.

From the West German border to Schwerin, PE 5945, the route has little traffic and is pot-holed and inadequately maintained. The average paved width is 5.5 meters with 1 meter shoulders. Beyond Schwerin, to the Polish border, the paved surface varies from 6 - 8 meters with 1 meter shoulders and is generally in very good condition. The surface of the entire route is tarred macadam with some stretches of paving blocks.

There are three low capacity bridges along this route at PE 605472, PE 620514, and VV 330298.

ROUTE LOG

No	Item	UTM	km	Remarks
1	Border	PE 189723	0.0	East & West German border.
2	City	PE 5945	57.0	Town: Schwerin Remarks: none
3	Bridge (Critical Point)	PE 605472	59.0	Crossing: Ziegelsee Canal (Heiden Canal) Type: Laminated steel deck girder, (Swing bridge) Length: 14 m - 1 span Critical span: 14 m Capacity: 15 - 20 tons Water gap: 14 m Remarks: Reconstructed in 1952, clearance unlimited EIC 3 L6
4	Bridge (Critical Point)	PE 621508	63.0	Crossing: Schweriner See Type: Reinforced concrete Length: 12 m - 1 span Critical span: 12 m Capacity: 15 tons Water gap: 10 m Remarks: Reconstructed in 1952 EIC 4 L6

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HIGHWAYS, EAST GERMANY

Route # IV

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<u>No.</u>	<u>Item</u>	<u>UTM</u>	<u>km</u>	<u>Remarks</u>
5	City	PE 8655	92	Town: Sternberg Remarks: None
6	City	UV 0742	119	Town: Goldberg Remarks: None
7	City	UV 2928	149	Town: Malchow Remarks: None
8	City	UV 4632	171	Town: Waren Remarks: None
9	City	UV 8435	216	Town: Neubrandenburg Remarks: None
10	Bridge (Critical Point)	VV 330298	272	Crossing: Uecker River Type: concrete girder Length: 30 m, 1 span Critical span: 30 m Capacity: 30 tons Water gap: unknown Remarks: None
				EIC 12 L8
11	Border	VV 580231	300	Town: Neu Lienkin Remarks: W.-German/Polish border

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Route VI

Eldena (PE 6100) to Schwedt (VU 5278)

Route VI, serving the major cities of Grabow, Kyritz, Eberswalde, and Schwedt, is of secondary importance as a transportation route. It is 266 km long.

The condition of the route is poor and it passes through various soil types and marshy areas which make drainage difficult.

The route is 4 - 6 meters wide with $\frac{1}{2}$ - 2 meter shoulders and has predominantly a tarred macadam surface.

In addition to construction areas at Perleberg (PD 9285) and Wildberg (UU 3160) to Eberswalde (VU 2055), there are restricting corners which slow traffic.

Critical points on this route are PD 49150970, PD 9285, VV 901598, VU 526607835 and VV 53457737.

ROUTE LOG

<u>No</u>	<u>Item</u>	<u>UTM</u>	<u>km</u>	<u>Remarks</u>
1	Bridge	PD 49150970	0.0	Crossing: Elbe River Type: Steel girder Length: 484 m - 19 spans Critical span; unknown Capacity: unknown Water gap: 350 m Remarks: Critical point portion crossing river bed, destroyed as of 1955. EIC 1 M5
2	City	PE 7106	32.0	Town: Grabow Remarks: none
3	Construction	PD 9285	62.0	Remarks: Bypass construction at Perleberg
4	City	UU 3160	114.0	Town: Bückwitz Remarks: Junction of Routes VIA and VIIIA.

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<u>No</u>	<u>Item</u>	<u>UTM</u>	<u>km</u>	<u>Remarks</u>
5	City	UU 5266	138.0	Town: Neuruppin Remarks: none
6	Intersection	UU 757625	165.0	Remarks: Intersection Route XVII
7	Bridge	UU 901598	183.0	Crossing: Havel Stream Type: Steel girder, wooden Length: 32.2 m - 6 spans Critical span: 1 at 6.7 m Capacity: 8 tons Water gap: 10 m Remarks: critical point. EIC 116 M8
8	Bridge	UU 901598	183.0	Crossing: Havel stream Type: Reinforced concrete slab Length: 33.4 m - 3 spans Critical span: 1 at 13.4 m Capacity: 60 tons Water gap: 33 m Remarks: planned in 1953. EIC 131 M8
9	Bridge	UU 91295920	185.0	Crossing: Voss Canal Type: Unknown Length: unknown Critical span: unknown Capacity: unknown Water gap: unknown Remarks: under construction to replace EIC 63 M8 EIC 63 M8
10	Bridge	UU 91345916	185.0	Crossing: Voss Canal Type: Steel truss, wood trestle Length: 50 m Critical span: 30 m Capacity: unknown Water gap: 25 m Remarks: emergency bridge EIC 63 M8
11	Intersection	VU 104568	204.0	Intersection Route XV

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<u>No</u>	<u>Item</u>	<u>UTM</u>	<u>km</u>	<u>Remarks</u>
12	Bridge	VU 21275720	218.0	Crossing: Hohenzollern Canal at Eberswalde Type: Timber trestle Length: 62 m - 9 spans Critical span: 14 m Capacity: unknown Water gap: 30 m Remarks: length estimated EIC 45 M8
13	City	VU 3374	242.0	Town: Angermünde Remarks: none
14	Bridge	VU 52507860	263.2	Crossing: Friedrichsthaler Wasserstrasse at Schwedt Type: Concrete arch Length: 150 m - 5 spans Critical span: 50.0 Capacity: unknown Water gap: 140 m Remarks: none EIC 59 M8
15	Bridge	VU 52607835	264.4	Crossing: Flood Plain Type: Concrete slab Length: 132 m - 7 spans Critical span: unknown Capacity: 24 tons Water gap: n/a Remarks: critical point EIC 112 M8
16	Bridge	VU 52707792	264.6	Crossing: Meglitz Type: unknown Length: 66 m - 1 span Critical span: 66 m Capacity: unknown Water gap: unknown Remarks: Critical point; destroyed; reconstruction begun; expected completion in 1957; new construction to be single span; through warren truss. EIC 111 M8

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Route # VI

February 1957

<u>No.</u>	<u>Item</u>	<u>UTM</u>	<u>km</u>	<u>Remarks</u>
17	Bridge	VU 53457737	265	Crossing: Flood Plain Type: Concrete arch Length: 55 m - 3 spans Critical span: 21 m Capacity: 24 tons Water gap: N/A Remarks: critical point, to be widened and strengthened by 1956. No confirmation of completion. EIC 110 M8
18	Bridge	VU 53947650	266	Crossing: Oder River Type: Steel truss Length: 250 m - 3 spans Critical span: unknown Capacity: 70 tons Water gap: 200 m Remarks: none EIC 66 M8 Remarks: End of Route # VI at E.-German/Polish border.

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Route VIA

Berlin Ring (Buckwitz UU 310604)

Route VIA serves the major cities of Rathenow, Brandenburg, Güterbog, Lübben, Frankfurt/Oder, Bad Freienwalde, Eberswalde, and Neuruppin. It is of major importance as a commercial and military route. It is in good condition and has a length of 371 km. This route has for the most part a tarred macadam surface and is 5 - 8 meters wide with 1 - 2 meter shoulders.

ROUTE LOG

No	Item	UTM	km	Remarks
1	Begin	UU 310604	0.0	Beginning of Route at Buckwitz
2	City	UU 1932	39.0	Town: Rathenow Remarks: none
3	Bridge	UU 33880982	72.0	Crossing: Brandenburg-Niederhavel Type: Steel deck girder Length: 57 m - 3 spans Critical span: 23 m Capacity: unknown Water gap: 57 m Remarks: none
4	Intersection	UT 365029	79.0	Intersection Route X
5	Intersection	UT 419744	116.0	Intersection Route XVII
6	City	UT 6861	150.0	Town: Jüterbog Remarks: none
7	City	VT 1245	197.0	Town: Luckau Remarks: none
8	Intersection	VT 185504	206.0	Intersection: Routes XII and XV
9	City	VT 2455	214.0	Town: Lübben Remarks: none

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<u>No</u>	<u>Item</u>	<u>UTM</u>	<u>km</u>	<u>Remarks</u>
10	City	VT 4980	252.0	Town: Beeskow Remarks: none
11	Intersection	VT 663969	279.0	Town: none Remarks: Intersection route X
12	City	VT 6999	284.0	Town: Frankfurt/Oder Remarks: none
13	Intersection	VU 581208	312.0	Town: None Remarks: Intersection Route VIII
14	City	VU 3549	354.0	Town: Bad Freienwalde Remarks: none
15	Junction	VU 206546	371.0	Town: Eberswalde Remarks: Junction route VI and end of route VIA

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Route VIB

Horst (PE 0615) to Ludwigslust (PE 6808)

Route VIB, connecting the cities of Boizenburg and Ludwigslust, is a major international highway passing through flat to undulating terrain. It is 74 km long.

The overall route classification is excellent and the tar macadam surface is 6 meters wide with 2 meter shoulders. There are no critical points on the highway.

ROUTE LOG

<u>No</u>	<u>Item</u>	<u>UTM</u>	<u>km</u>	<u>Remarks</u>
1	Border	PE 064155	0.0	Border East & West Germany
2	City	PE 1415	13.0	Town: Boizenburg Remarks: none
3	City	PE 6808	74.0	Town: Ludwigslust Remarks: End of route

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Route VIII

Oebisfelde (PD 3910) to Kustrin (VU 748258)

This 299 km route serves the central part of Germany and connects the major cities of Stenda, Tangermünde, Brandenburg, Berlin and Kustrin. It is in good condition and passes through low rolling terrain. It is a major trucking route.

The route varies in width from 5 - 7 meters with 1 - 2 meter shoulders. Approximately half the surface is tar macadam and half is cobblestone. There are several abrupt curves which could slow traffic.

Three low capacity bridges are located at QD 024266, UU 613030, and VU 748258.

ROUTE LOG

No	Item	UTM	km	Remarks
1	Border	PD 351101	0.0	Remarks: Route begins at E & W German border.
2	Bridge	PD 411139	7.0	Crossing: Weser-Elbe Canal Type: Steel, bowstring girder Length: 56 m - 1 span Critical span: 56 m - steel bowstring girder Capacity: unknown Water gap: 49 m Remarks: none EIC 4 N5
3	City	PD 6222	31.0	Town: Gardclegon Remarks: none
4	City	PD 9431	63.0	Town: Stendal Remarks: none
5	Bridge	QD 024266	82.0	Crossing: Elbe at Tangermünde Type: Steel deck & through truss Critical span: 75 m, steel thru pratt truss Length: 835 m - 25 spans Capacity: 20 tons Water gap: 220 m Remarks: Critical point. Combination hwy and RR bridge EIC 19 n6

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<u>No</u>	<u>Item</u>	<u>UTM</u>	<u>km</u>	<u>Remarks</u>
6	Bridge	UU 064106	104.0	Crossing: Plauer Canal at N. Genthin Type: Steel modified half thru truss Length: 66 m - 1 span Critical span: 66 m Capacity: 60 tons Water gap: 50 m Remarks: Stone paving deck. EIC 16 N7
7	Bridge	UU 082104	106.0	Crossing: Plauer Canal at W. Genthin Type: Steel thru truss & deck girder Length: 75 m - 2 spans Critical span: 68 m - thru truss Capacity: unknown Water gap: 40 m Remarks: none EIC 17 N6
8	Bridge	UU 248098	125.0	Crossing: Havel at Plau Type: Steel, bowstring truss Length: 138 m - 3 spans Critical span: 46 m Capacity: unknown Water gap: 128 m Remarks: Condition 1954 good. EIC 14 N7
9	Bridge	UU 296104	130.0	Crossing: Silo Canal Type: Steel through truss Length: 65 m - 1 span Critical span: 65 m Capacity: 40 tons Water gap: 60 m Remarks: none EIC 13 N7
10	Bridge	UU 339098	142.0	Crossing: Havel in Brandenburg Type: Steel girder Length: 57 m - 2 spans Critical span: 23 m Capacity: unknown Water gap: 54 m Remarks: none EIC 27 N7

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<u>No</u>	<u>Item</u>	<u>UTM</u>	<u>km</u>	<u>Remarks</u>
11	Bridge	UU 613030	162.0	Crossing: Potsdamer Havel Waterway Type: Steel deck & bowstring thru truss Length: 106 m - 3 spans Capacity: 35 tons Critical span: 42 m Water gap: 40 m Remarks: Critical point. 1954 good EIC 21 N7
12	Bridge	UU 702089	185.0	Crossing: Potsdamer Havel Type: Steel, suspension Length: 148 m - 3 spans Critical span: 74 m Capacity: unknown Water gap: 130 m Remarks: none EIC 24 N7
13	City	UU 7709	192.0	Town: Berlin Remarks: none
14	City	VU 0618	225.0	Town: Berlin Remarks: none
15	Intersection	VU 153173	236.0	Remarks: Intersection Route VIII and Berlin outer ring autobahn
16	City	VU 4117	263.0	Town: Müncheberg Remarks: none
17	Bridge	VU 744253	289.5	Crossing: Oder River Flood Plain Type: Steel bowstring & deck girder Length: 156 m - 5 spans Critical span: 3 center spans at 40 m bowstring truss Capacity: 40 tons Water gap: n/a Remarks: none EIC 24 N9
18	Bridge	VU 748258	299.0	Crossing: Oder at Küstrin Type: Concrete & steel beam & bowstring Length: 252 m - 6 spans Critical span: unknown Capacity: 30 tons Water gap: 140 m Remarks: Critical point, end of route. EIC 15 N9

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Route VIIIA

Bückwitz (UU 3160) to Berlin

This short route connects Route VI at Bückwitz (UU 3160) with Route VIII at Berlin. It is 77 km long and is part of the main route from Berlin to Hamburg.

It is surfaced for the most part with waterbound macadam and has a traveled surface of 6 meters with 2 meter shoulders. There are a few sections primarily in the Nauen area (UU 570320), that are surfaced with cobblestones. This route is in good to very good condition.

There are sharp curves in the village of Segeletz (UU 3357) that hinder the movement of large trailer trucks and there is one low capacity bridge located at UU 781197.

ROUTE LOG

No	Item	UTM	KM	Remarks
1	City	VV 3160	0.0	Town: Bückwitz Remarks: Beginning of route.
2	Curve	VV 3357	7.0	Remarks: Sharp curves which hinder the movement of large trailer trucks.
3	Bridge	VV 356501	12.0	Crossing: Rhin Canal Type: Reinforced concrete deck Length: unknown - 3 spans Critical span: 6.09 m Capacity: unknown Water gap: unknown Remarks: none EIC 8 M7
4	Bridge	UU 405369	27.0	Crossing: Haupt Canal Type: Concrete deck Length: unknown Critical span: unknown Capacity: unknown Water gap: unknown Remarks: none EIC 217 N7
5	City	UU 570320	44.0	Town: Nauen Remarks: none

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<u>No</u>	<u>Item</u>	<u>UTM</u>	<u>km</u>	<u>Remarks</u>
6	Bridge	UU 61072372	53.0	Crossing: Havel Canal Type: Concrete T beam Length: 30 m - 2 spans Critical span: 15 m Capacity: 60 tons Water gap: 40 m Remarks: width of road 7 m EIC 148 N7
7	Bridge	UU 781197	71.0	Crossing: Lower Havel Waterway Type: 1 span at 63 m steel truss & arch 1 span at 33 m steel deck arch 1 span at 31 m steel deck arch 2 spans at 19 m steel deck arch Length: 165 m - 5 spans Critical span: 63 m Capacity: 30 tons Water gap: 61 m Remarks: Critical point. Width of road 12 m EIC 54 B3
8	Bridge	UU 78911440	71.8	Crossing: Stoessen See Type: Steel deck trussed arch Length: 108 m - 2 spans Critical span: 54 m Capacity: 40 tons Water gap: 20 m Remarks: width of road 15 m EIC 15 B3
9	Junction	UU 834184	77.0	Junction route VIII. End of route.

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Route X

SZG West Border (PC 415876) to Border SZC/Poland (VT 713963)

This 257 km autobahn, serving the major cities of Helmstedt, Magdeburg, Berlin and Frankfurt/Oder, is one of the main east-west routes of East Germany.

Route X is predominantly concrete. The travelled way has an average width of 15 m with 1.5 meter shoulders. The route is in very good condition.

The Route is being extended from VT 698962, south of Frankfurt/Oder to the Polish border crossing the Oder at VT 713963. As of 1955, the construction was 80% completed.

ROUTE LOG

No	Item	UTM	km	Remarks
1.	Border	PC 415876	0.0	Border East-West Germany
2	Intersection	PC 7985	40.0	Remarks: Intersection study line XXIC to Magdeburg
3	Bridge	PC 83008881	45.0	Crossing: Weser-Elbe Canal Type: Steel plate girder Length: 108 m - 5 spans Critical span: 1 at 51 m Capacity: 60 tons Water gap: 60 m Remarks: Width of roadway 7.5 m EIC 48 P6
4	Bridge	PC 84828931	46.5	Crossing: Elbe River Type: Concrete slab & steel lattice deck girder Length: 605 m - 28 spans Critical span: 1 at 100 m (steel lattice girder) Capacity: unknown Water gap: 270 m Remarks: Width of roadway 7.5 m; this is a two lane bridge but only the north lane is open to traffic; the south lane was still under construction as of 2/8/56. EIC 108 P6

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HIGHWAYS, EAST GERMANY

Route # X

February 1957

<u>No.</u>	<u>Item</u>	<u>UTM</u>	<u>km</u>	<u>Remarks</u>
5	Bridge	PC 84808918	47	Crossing: Elbe River Type: steel deck truss and concrete beam Length: 1159 m - 28 spans Critical span: 1 @ 117 m Capacity: 60 tons Water gap: 200 m Remarks: Width of roadway 8 m; only the southern two lanes across the main channel have been rebuilt. EIC 1 P6
6	Intersection VU 3603		113	Remarks: Intersection study line VIA to Brandenburg.
7	Intersection VT 6996		149	Intersection study line XVII to Berlin
8	Bridge	VT 07659667	217	Crossing: Dahme River Type: steel deck girder Length: 114 m - 2 spans Critical span: 1 @ 57 m Capacity: 80 tons Water gap: 60 m Remarks: Width of roadway 7.5 m; north lane is out. EIC 38 N8
9	Bridge	VT 42909935	222	Crossing: Oder-Spree Canal Type: steel plate girder Length: 136 m - 3 spans Critical span: 1 @ 56 m Capacity: 80 tons Water gap: 60 m Remarks: Width of roadway 9 m. EIC 16 N8
10	Intersection VT 6697		250	Remarks: Intersection hwy # 87 to Frankfurt/Oder
11	Critical Point	From VT 698962 To VT 713963	255 265	Remarks: This section of the route is under construction and was 80% complete as of 1955.

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Route # X

February 1957

<u>No.</u>	<u>Item</u>	<u>UTM</u>	<u>km</u>	<u>Remarks</u>
12	Bridge	VT 71329655	257	Crossing: Oder River Type: reinforced concrete open spandrel arch Length: 582 m - 6 spans Critical span: 1 @ 88 m Capacity: 80 tons Water gap: 210 m Remarks: South two lanes of bridge were completed in 1955; end of route # X. EIC 2 N9

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HIGHWAYS, EAST GERMANY

Route XII

February 1957

Mandelholz (PC 130330) to Guben (VT 809554)

Route XII extends from the W. German border at Mandelholz (PC 1330) to the Polish border at Guben (VT 8055), via Quedlingburg, Bernburg, Dessau, Cottbus and Guben. It is 352 km long.

The route passes for the most part through farming and forest areas in gently rolling terrain. The overall route classification is good. The average width is 6.5 meters with 1.5 meter shoulders. It has for the most part a tarmac surface.

There is a major construction area between Dessau (UT 1045), and Rosslau (UT 1042) scheduled for completion in 1959.

There are eight bridges of low capacity at PC 88844226, UT 09905115, UT 09905160, UT 100526, VT 546350, VT 578421, VT 579438, and VT 59454530.

ROUTE LOG

No	Item	UTM	km	Remarks
1	Begin	PC 130330	0.0	Remarks: Beginning of Route XII at Elend
2	City	PC 351397	27.0	Town: Blankenburg Remarks: none
3	City	PC 484404	42.0	Town: Zeddingberg Remarks: none
4	City	PC 6937	66.0	Town: Aschergleben Remarks: none
5	Bridge	PC 88844226	87.0	Crossing: Saale River in Bernburg Type: Steel half through howe truss Length: 55 m - 2 spans Critical span: 40 m Capacity: unknown Water gap: 3 m Remarks: Critical point. May be used only by pedestrians and bicyclists or dis-mounted motor cyclists.

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No	Item	UTM	km	Remarks
6	City	QC 053379	105.0	Town: Kothen Remarks: none
7	City	UT 101461	127.0	Town: Dessau Remarks: none
8	Bridge	UT 09894922	130.0	Crossing: Overflow Area Type: Concrete Beam Length: 110 m - 11 spans Critical span: unknown Capacity: unknown Water gap: n/a Remarks: none EIC 98 P6
9	Bridge	UT 09784979	131.0	Crossing: Shallow inlet of Elbe Type: Concrete deck girder Length: 40 m - 3 spans Critical span: 18 m Capacity: 60 tons Water gap: 40 m Remarks: none EIC 34 P6
10	Bridge	UT 09764996	131.05	Crossing: Rohr See (Inlet of Elbe) Type: Steel deck girder Length: 40 m - 2 spans Critical span: unknown Capacity: unknown Water gap: 40 m Remarks: none EIC 131 P6
11	Bridge	UT 09744998	131.1	Crossing: Rohr See (Inlet of Elbe) Type: Concrete deck girder Length: 32 m - 3 spans Critical span: unknown Capacity: 60 tons Water gap: 32 m Remarks: none EIC 35 P6
12	Bridge	UT 09785055	131.5	Crossing: Mulde River Type: Concrete deck girder Length: 97 m - 5 spans Critical span: unknown Capacity: 50 tons Water gap: 90 m Remarks: none

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<u>No</u>	<u>Item</u>	<u>UTM</u>	<u>km</u>	<u>Remarks</u>
13	Bridge	UT 09905115	131.6	Crossing: Overflow Channel (Elbe) Type: Steel deck Girder Length: 30 m - 2 spans Critical span: unknown Capacity: 16 tons Water gap: n/a Remarks: Critical point EIC 32 P6
14	Bridge	UT 09905160	132.0	Crossing: Elbe River Type: Steel arch Length: 210 m - 5 spans Critical span: unknown Capacity: 30 tons Water gap: 115 m Remarks: Critical point 20 km speed limit. RR spans join on downstream side. EIC 63 P6
15	Bridge	UT 100526	132.3	Crossing: RR line Type: Reinforced concrete girder Length: 30 m - 1 span Critical span: unknown Capacity: 24 tons Water gap: n/a Remarks: Critical point
16	City	UT 1152	133.0	Town: Rosslau Remarks: none
17	Intersection	UT 212521	146.0	Intersection of autobahn and study XVII
18	City	UT 3649	163.0	Town: Wittenberg Remarks: none
19	Junction	UT 791289	213.0	Remarks: Junction at Herzberg
20	City	VT 1246	258.0	Town: Luckau Remarks: none
21	Intersection	VT 184507	267.0	Remarks: Junction of route XV
22	Junction	VT 259445	276.0	Remarks: Junction of route XV
23	City	VT 541345	311.0	Town: Cottbus Remarks: none

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<u>No</u>	<u>Item</u>	<u>UTM</u>	<u>km</u>	<u>Remarks</u>
24	Bridge	VT 546350	314.0	Crossing: Spree River Type: Wooden Length: 40 m Critical span: unknown Capacity: 2 tons Water gap: 17 m Remarks: Critical point. Carries street car although sign states 2 ton capacity. To be replaced by a three span steel girder bridge. EIC 22 P9
25	Bridge	VT 578421	316.0	Crossing: Outlet of Lake Type: Wooden Length: 12 m - 4 spans Critical span: unknown Capacity: 30 tons Water gap: unknown Remarks: Critical point EIC 48 P9
26	Bridge	VT 579438	318.0	Crossing: Small Stream Type: Wooden deck Length: unknown 1 span Critical span: unknown Capacity: 0 tons Water gap: unknown Remarks: Critical point EIC 56 P9
27	Bridge	VT 59454530	319.0	Crossing: Malxe River Type: Steel beam Length: unknown 3 spans Critical span: unknown Capacity: unknown Water gap: unknown Remarks: Critical point EIC 49 P9
28	Bridge	VT 80935591	352.0	Crossing: Neisse River Type: Concrete beam Length: 72m 0 spans Critical span: unknown Capacity: 60 tons Water gap: 72 m Remarks: none EIC 4 P9

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Route XIII

Gortz (VU 595961) to Gorlitz (VS 992670)

Route XIII begins in East Germany at Gortz (VU 5996) and proceeds south entering Poland at Schwedt (VU 540765). It reenters Germany near Küstrin at VU 744252 and finally departs Germany at G8rlitz (VS 9967).

Route XIII runs north and south serving the major cities of Schwedt, Frankfurt/Oder and Gorlitz. Its total length is 325 km.

The road width varies from 5 - 8 meters with a tarred macadam surface. The condition is from fair to good and the sector from VU 744252) through Frankfurt/Oder to Furstenberg (VT 7878) was being rebuilt in 1954.

There is one critical construction point (VU 744252) to (VT 7878), and critical bridges at VU 52607835, VU 52707792, VU 74942578 and VT 76257549.

ROUTE LOG

<u>No</u>	<u>Item</u>	<u>UTM</u>	<u>km</u>	<u>Remarks</u>
1	Border	VV 610079	0.0	Remarks: Beginning route at Polish & E. German border.
2	City	VU 5279	48.0	Town: Schwedt Remarks: none
3	Bridge	VU 52507860	48.6	Crossing: Friedrichsthaler Wasserstr Type: Concrete arch Length: 150 m - 5 spans Critical span: 40 m Capacity: unknown Water gap: 150 m Remarks: none EIC 59 M8
4	Bridge	VU 52607835	49.6	Crossing: Flood Plains Type: Concrete slab Length: 132 m - 7 spans Critical span: 5 at 20 m Capacity: 24 tons Water gap: n/a Remarks: critical point. Condition good 1952. EIC 112 M8

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<u>No</u>	<u>Item</u>	<u>UTM</u>	<u>km</u>	<u>Remarks</u>
5	Bridge	VU 52707792	50.0	Crossing: Meglitz Type: Thru truss Length: 66 m - 1 span Critical span: 66 m Capacity: unknown Water gap: unknown Remarks: Critical point. EIC 111 M8
6	Bridge	VU 53457737	50.2	Crossing: Flood Plain Type: Concrete Arch Length: 55 m - 3 spans Critical span: 24 m Capacity: 24 tons Water gap: n/a Remarks: Critical point. To be widened and strengthened by 1956. No confirmation. EIC 110 M8
7	Bridge	VU 53957650	52.0	Crossing: Oder River Type: Steel truss Length: 250 m - 3 spans Critical span: Center span Capacity: 70 tons Water gap: 200 m Remarks: none EIC 66 M8
8	Bridge	VU 74952578	116.0	Crossing: Oder River Type: Concrete beam - 3 at 42 m Steel Bowstring truss 2 at 42 m Steel X type truss 1 at 42 m Length: 252 m - 6 spans Capacity: 30 tons Water gap: 150 m Remarks: Critical point. EIC 15 N9
9	Construction	VU 7425	116.0	Remarks: Major road construction from Kustrin (VU 7425) to Fürstenberg (VT 7870).

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<u>No</u>	<u>Item</u>	<u>UTM</u>	<u>km</u>	<u>Remarks:</u>
10	Bridge	VU 74422518	116.7	Crossing: Oder River Flood Plains Type: Steel bowstring & girder Length: 156 m - 5 spans Critical span: 40 m Capacity: 40 tons Water gap: n/a Remarks: none EIC 24 N9
11	City	VT 6999	149.0	Town: Frankfurt/Oder Remarks: none
12	Bridge	VT 76437597	178.0	Crossing: Oder Spree Canal Type: Reinforced Concrete T Beam Length: 54 m - 3 spans Critical span: 2 at 21 m Capacity: unknown Water gap: 50 m Remarks: none EIC 12 P9
13	Bridge	VT 76257549	179.0	Crossing: South Canal (Oder Spree) Type: Steel & Wooden beam, steel plate girder Length: 54 m - 2 spans Critical span: 10 m Capacity: 15 tons Water gap: 60 m Remarks: Critical point. Concrete section of lock 35 meters long stands between the two spans. Abutments project into channel. EIC 9 P9
14	City	VT 8056	203.0	Town: Guben Remarks: none
15	City	VT 7532	325.0	Town: Forst Remarks: none
16	Intersection	VT 630295	239.0	Remarks: Intersection study route XIV
17	City	VS 9967	330.0	Town: G8rlitz Remarks: none

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<u>No</u>	<u>Item</u>	<u>UTM</u>	<u>km</u>	<u>Remarks</u>
18	Bridge	VS 00126672	331.0	Crossing: Meisse Canal (end route) Type: Steel warren deck truss Length: 90 m - 3 spans Critical span: unknown Capacity: 40 tons Water gap: 54 m Remarks: none

EIC 3 R9

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HIGHWAYS, EAST GERMANY

Route # XIV

February 1957

Hohengandern (NB 6491) to Bademeusel (VT 8224)

Route # XIV serves the major cities of Nordhausen, Halle, Leipzig, Riesa, Cottbus, and Forst. Its length is 497 km.

The route is in good condition with areas of cobblestone, tar macadam and concrete surface. The part of the route which is not autobahn is 6-7.5 m wide and has a tarmac or cobblestone surface. The autobahn sections of the route are of normal construction, A 15/18 C, with only one lane operational from VT 5131 near Cottbus to the border (VT 8224).

There are two low-capacity bridges at QC 05600775 and VT 98580111.

Route Log

<u>No.</u>	<u>Item</u>	<u>UTM</u>	<u>km</u>	<u>Remarks</u>
1	Beginning	NB 643912	0	Remarks: Beginning of Route # XIV near Hohengandern
2	City	NB 7992	19	Town: Heiligenstadt Remarks: none
3	City	PC 2406	71	Town: Nordhausen Remarks: none
4	City	PC 5905	108	Town: Sangerhausen Remarks: none
5	Bridge (Critical Point)	PC 734102	124	Crossing: RR line # 201 Type: reinforced steel Length: 9.5 m Critical span: unknown Capacity: 24 tons Water gap: N/A Remarks: none EIC 108 Q6
6	City	PC 7611	128	Town: Eisleben Remarks: none
7	Bridge	QC 04900777	158	Crossing: Wilde Saale River (Halle) Type: reinforced concrete Length: 105 m - 7 @ 14 m Critical span: unknown Capacity: 40 tons Water gap: 60 m Remarks: none EIC 47 Q6

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Route # XIV

February 1957

<u>No.</u>	<u>Item</u>	<u>UTM</u>	<u>km</u>	<u>Remarks</u>
8	Bridge	QC 05150777	158.5	Crossing: Wilde Saale River (Haale) Type: reinforced concrete, beam and wood trestle Length: 135 m - 7 @ 15 m, 1 @ 30 m Critical span: 1 @ 30 m supported by wood piles Capacity: 60 tons Water gap: 50 m Remarks: none EIC 46 Q6
9	Bridge (Critical Point)	QC 05600775	158.8	Crossing: Saale River (Haale) Type: steel beam Length: 12 m - 1 @ 12 m Critical span: unknown Capacity: 20 tons Water gap: 9 m Remarks: Critical point EIC 93 Q6
10	Bridge	QC 07770870	161	Crossing: RR line # 180 at Halle Type: steel through truss Length: 300 m - 2 @ 75 m, 1 @ 135 m Critical span: 1 @ 135 m Capacity: unknown Water gap: N/A Remarks: none EIC 5 Q6
11	Intersection	UT 053013	180	Intersection Route # XVII
12	City	US 2691	204	Town: Leipzig Remarks: none
13	Bridge	US 414926	220	Crossing: Mulde River (Wurzen) Type: reinforced concrete Length: 120 m - 4 spans Critical span: unknown Capacity: 60 tons Water gap: 15 m Remarks: none EIC 1 Q7

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Route # XIV

February 1957

<u>No.</u>	<u>Item</u>	<u>UTM</u>	<u>km</u>	<u>Remarks</u>
14	Bridge	US 416931	220.5	Crossing: Mulde River (Wurzen) Type: masonry arch, steel I beam Length: 200 m - 8 spans Critical span: unknown Capacity: unknown Water gap: 10 m Remarks: none EIC 24 Q7
15	Bridge	US 81288607	266	Crossing: Elbe river (Riesa) Type: steel deck girder Length: 346 m - 6 spans Critical span: 1 @ 82 m Capacity: 80 tons Water gap: 130 m Remarks: none EIC 4 Q7
16	Bridge (Critical Point)	UT 98580111	292	Crossing: Schwarze Elster at Elsterwerda Type: Wood Length: 20 m - 10 @ 2 m Critical span: unknown Capacity: 24 tons Water gap: unknown Remarks: Critical point EIC 41 Q8
17	Intersection VT 216024		320	Intersection Route # XV
18	City VT 3008		334	Town: Senftenberg Remarks: none
19	Junction VT 519308		366	Junction Route # XII
20	Bridge VT 557299		370	Crossing: Spree River Type: steel girder Length: 176 m - 5 @ 35 m Critical span: unknown Capacity: unknown Water gap: unknown Remarks: none EIC 4 Q9

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Route # XIV

February 1957

<u>No.</u>	<u>Item</u>	<u>UTM</u>	<u>km</u>	<u>Remarks</u>
21	Bridge	VT 83022421	397	Crossing: Neisse River Type: reinforced concrete arch Length: 165 m - 5 @ 25 m Critical span: unknown Capacity: 80 tons Water gap: 50 m Remarks: none

EIC 28 Q9

End of Route # XIV

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Route XIVA

Leipzig (US 2394) to Elsterwerda (UT 3604)

This short 87 km route runs northeast from Leipzig (US 2394) to Torgau (UT 6214) and then southeast intersecting Route XIV at Elsterwerda (UT 3604).

Route XIVA is predominantly asphalt paved; however, in small towns it is paved with cobblestones. The traveled way is 6 meters wide with 5 meter shoulders. The condition of the route varies from good to very good.

A section of the highway from Leipzig (US 2394) to Taucha (US 2695) is being resurfaced with cobblestone. The former asphalt surface was destroyed by Russian tank traffic.

There is one low-capacity bridge located at UT 62311403.

ROUTE LOG

<u>No</u>	<u>Item</u>	<u>Utm</u>	<u>Km</u>	<u>Remarks</u>
1	City	US 2394	0.0	Remarks: Beginning of Route XIVA at 4.5 km NE of Leipzig center.
2	Bridge	UT 362080	15.0	Crossing: Mulde River at Eilenburg Type: Masonry deck Length: 100 m - 5 spans Critical span: unknown Capacity: 60 tons Water gap: 75 m Remarks: Width of roadway 10 m EIC 35 Q7
3	Bridge	UT 36420412	16.0	Crossing: Lowlands Type: Brick arch Length: unknown - 5 spans Critical span: unknown Capacity: unknown Water gap: unknown Remarks: none EIC 76 Q7
4	Bridge	UT 62311403	43.0	Crossing: Elbe River at Torgau Type: Steel bowstring - wood deck, lattice truss Length: 357 m - 10 spans Critical span: 25 m - wood deck lattice Capacity: 25 tons Water gap: 100 m Remarks: Critical point. Width of roadway, 6 m

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Route # XIVA

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<u>No.</u>	<u>Item</u>	<u>UTM</u>	<u>km</u>	<u>Remarks</u>
5	End	UT 7902	87	End of Route # XIVA at Elsterwerda

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Route XV

Penkin (VV 6009) to Altenburg (VS 1224)

This 376 km north south route serves the major cities of Prezlau, Berlin, Cottbus and Dresden.

From its origin near Stettin (Poland) to Dresden the route is autobahn in good condition.

South of Dresden (VS 0759) to the Czech border the route is 4 - 5 meters wide in fair condition. A bypass is planned at Altenburg (VS 1225).

The overall route classification is excellent.

ROUTE LOG

<u>No</u>	<u>Item</u>	<u>UTM</u>	<u>km</u>	<u>Remarks</u>
1	Begin	VV 600098	0.0	Beginning of route XV near Pemellen
2	Bridge	VU 10685745	78.0	Crossing: Hohenzollern Canal Type: Steel plate girder Length: 101 m - 3 spans Critical span: 1 at 64 m Capacity: 80 tons Water gap: 45 m Remarks: none EIC 24 M8
3	Intersection	VU 114568	79.0	Intersection route VI
4	Bridge	VU 021468	92.0	Crossing: Oder See Type: Steel plate girder Length: 147 m - 3 spans Critical span: 69 m Capacity: 80 tons Water gap: unknown Remarks: none EIC 119 M8
5	Junction	VU 032303	109.0	Junction inner E. Berlin Ring
6	Intersection	VU 153173	128.0	Intersection Route VIII

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<u>No</u>	<u>Item</u>	<u>UTM</u>	<u>km</u>	<u>Remarks</u>
7	Bridge	VU 16481452	131.0	Crossing: Muhlenfliess Canal Type: Steel deck girder Length: 743 m - 13 spans Critical span: 9 at 61.2 m Capacity: 80 tons Water gap: 15 m Remarks: none EIC 49 N8
8	Bridge	VU 17401390	132.0	Crossing: Kalkgraben Type: Steel deck girder Length: 246 m - 4 spans Critical span: 68 m Capacity: 80 tons Water gap: 30 m Remarks: none EIC 51 N8
9	Bridge	VU 17110452	143.0	Crossing: Muggel-Spree Canal Type: Steel plate girder Length: 76 m - 2 at 38 m Critical span: unknown Capacity: 80 tons Water gap: 34 m Remarks: none EIC 58 N8
10	Bridge (Critical point)	VU 15430088	148.0	Crossing: Oder-Spree Canal Type: Steel plate girder Length: 55 m - 1 span Critical span: 55 m Capacity: 60 tons Water gap: 40 m Remarks: west lane only open to traffic. EIC 36 N8
11	Junction	VT 141980	150.0	Junction Route X
12	Bridge	VT 07659667	157.0	Crossing: Dahme River Type: Steel deck girder Length: 114 m - 2 spans Critical span: unknown Capacity: 80 tons Water gap: 60 m Remarks: none EIC 38 N8

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<u>No</u>	<u>Item</u>	<u>UTM</u>	<u>km</u>	<u>Remarks</u>
13	Bridge	VT 06329662	158.0	Crossing: RR Line # 177 Type: Steel deck girder Length: 192 m - 5 spans Critical span: unknown Capacity: 70 tons Water gap: n/a Remarks: none
				EIC 32 N8
14	Junction	VT 015977	164.0	Junction Route X
15	Junction	VT 260445	226.0	Junction: Berlin-Forst
16	Intersection	VT 216024	271.0	Intersection Route XIV
17	Junction	VS 126664	314.0	Junction: Route XVI
18	City	VS 0658	323.0	Town: Dresden Remarks: none
19	City	VS 0639	350.0	Town: Dippoldiswalde Remarks: none
20	End	VS 130212	376.0	End of Route XV, Czechoslovakian Border.

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February 1957

Route XVI

Herschel (NB 844520) to Görlitz (VS 994659)

Route XVI, a major route of southern East Germany, serves the cities of Eisenach, Gotha, Erfurt, Weimar, Jena, Gera, Zwickau, Chemnitz, Dresden, Bautzen, and Görlitz. With the exception of the first 10 km to Eisenach, and the last 45 km from Bautzen to Görlitz the route is autobahn. Its length is 380 km, and it is in good to excellent condition with areas of reconstruction on the autobahn and bridges. The last 45 km from Bautzen (VS 5971) to Görlitz (VS 9967) is 8 - 9 meters wide with 2 meter shoulders, tar macadam surface and in good condition.

ROUTE LOG

<u>No</u>	<u>Item</u>	<u>UTM</u>	<u>km</u>	<u>Remarks</u>
1	Begin	NB 846520	0.0	Beginning of Route XVI at W. German border
2	Intersection	NB 945485	13.0	Remarks: Intersection Hwy Route XXI
3	Bridge	PB 043452	21.0	Crossing: Hwy #7, RR # 192, Stream Type: Steel deck Length: 200 m - 5 spans Capacity: unknown Water gap: 5 m Remarks: none EIC 143 R6
4	Bridge	PB 384405	48.0	Crossing: Valley & Gera Stream Type: Reinforced concrete Length: 100 m - 3 spans Critical span: unknown Capacity: 80 tons Water gap: unknown Remarks: none EIC 101 R5
5	Intersection	PB 043452	64.0	Intersection Hwy Route XIX

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<u>No</u>	<u>Item</u>	<u>UTM</u>	<u>km</u>	<u>Remarks</u>
6	Bridge	PB 83023942	111.3	Crossing: Saale River, flood plains Type: Masonry arch Length: 770 m - 19 spans Critical span: unknown Capacity: 80 tons Water gap: 35 m Remarks: none EIC 15 R6
7	Bridge	PB 002396	116.0	Crossing: Valley & road Type: Reinforced concrete beam Length: 250 m - 9 spans Critical span: unknown Capacity: 80 tons Water gap: unknown Remarks: 2 bridges, 2 lanes ea. EIC 84 R6
8	Bridge	PB 926392	118.0	Crossing: Valley Type: Steel deck girder Length: 250 m - 5 spans Critical span: unknown Capacity: 80 tons Water gap: unknown Remarks: none EIC 86 R6
9	Bridge	PB 982402	127.0	Crossing: Valley Type: Reinforced concrete Length: 138 m - 1 span Capacity: 80 tons Critical span: unknown Water gap: unknown Remarks: none EIC 91 R6
10	Bridge	PB 982402	129.0	Crossing: Devils Valley Type: Concrete arch Length: 250 m - 1 span Critical span: unknown Capacity: unknown Water gap: n/a Remarks: none EIC 272 R6
11	Intersection	QB 020407	130.0	Intersection hwy rt XVII XVI.2

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<u>No</u>	<u>Item</u>	<u>UTM</u>	<u>km</u>	<u>Remarks</u>
12	Bridge	TS 92244384	138.0	Crossing: Road & Stream Type: Steel plate girder Length: 180 m - 3 spans Critical span: 1 at 70 m Capacity: 65 tons Water gap: 10 m Remarks: none EIC 11 R6
13	Bridge	TS 92924389	145.0	Crossing: Weisser-Elster & Road Type: Steel Plate Girder Length: 100 m - 3 spans Length: 100 m - 3 spans Critical span: unknown Capacity: 70 tons Water gap: 32 m Remarks: none EIC 105 R6
14	City	TS 9440	146.0	Town: Gera Remarks: Road # 2 to Gera 4 km south
15	Bridge	US 074391	160.0	Crossing: Valley Type: Steel Length: 223 m Critical span: unknown Capacity: unknown Water gap: n/a Remarks: limited information EIC 121 R6
16	Bridge	US 164347	171.0	Crossing: Valley Pleisse River Type: Reinforced Concrete Deck Length: 491 m - 18 spans Critical span: unknown Capacity: unknown Water gap: n/a Remarks: none EIC 32 R7
17	Bridge	US 282355	181.0	Crossing: Zwickauer Mulde River Type: Steel deck girder Length: 150 m - 5 spans Critical span: unknown Capacity: unknown Water gap: unknown Remarks: none EIC 44 R7

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<u>No</u>	<u>Item</u>	<u>UTM</u>	<u>km</u>	<u>Remarks</u>
18	Intersection	US 488359	207.0	Intersection Hwy route XVIIIIA
19	Bridge	US 524379	210.0	Crossing: Chemnitz River Type: Steel deck beam Length: 224 m - 7 spans Critical span: unknown Capacity: unknown Water gap: unknown Remarks: none EIC 65 R7
20	Bridge	US 619427	221.0	Crossing: Zschoppau River Type: Steel Length: 108 m Critical span: unknown Capacity: unknown Water gap: unknown Remarks: none EIC 91 R7
21	Bridge	US 621431	222.0	Crossing: Lutzelbach Type: Steel deck girder Length: 100 m - 3 spans Critical span: 40 m Capacity: 80 tons Water gap: unknown Remarks: none EIC 82 R7
22	Bridge	US 682508	232.0	Crossing: Valley Type: Reinforced concrete deck Length: 150 m - 13 spans Critical span: 2 at 12 m Capacity: unknown Water gap: n/a Remarks: none EIC 26 R7
23	Bridge	US 698510	233.0	Crossing: Streigir River & RR Type: Reinforced concrete arch Length: 312 m - 11 spans Critical span: unknown Capacity: 80 tons Water gap: 4 m Remarks: none EIC 26 R7

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<u>No</u>	<u>Item</u>	<u>UTM</u>	<u>km</u>	<u>Remarks</u>
24	Bridge	US 711517	236.0	Crossing: Valley Type: Steel deck girder Length: 120 m - 2 spans Critical span: 70 m Capacity: unknown Water gap: unknown Remarks: none EIC 96 R7
25	Bridge	US 820555	241.0	Crossing: Frieburg Mulde River Type: Steel Deck Girder Length: 403 m - 6 spans Critical span: unknown Capacity: unknown Water gap: unknown Remarks: none EIC 105 R7
26	Bridge	US 835565	244.0	Crossing: Valley Type: Steel deck girder Length: 157 m - 5 spans Critical span: 3 at 33.3 m Capacity: 80 tons Water gap: unknown Remarks: none EIC 26 R8
27	Bridge	US 970580	257.0	Crossing: Saubach River & Valley Type: Reinforced Concrete Arch Length: 290 m - 5 spans Capacity: 80 tons Critical span: unknown Water gap: 3 m Remarks: none
28	Bridge	VS 07025901	273.0	Crossing: Elbe River at Dresden Type: Steel Deck girder & Truss Length: 503 m - 5 spans Critical span: 2 at 70 m Capacity: 80 tons Water gap: 135 m Remarks: none EIC 6 R8

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HIGHWAYS, EAST GERMANY

February 1957

<u>No</u>	<u>Item</u>	<u>UTM</u>	<u>km</u>	<u>Remarks</u>
29	Bridge	VS 079995962	275.0	Crossing: Elbe Overflow Channel at Dresden Type: Concrete T beam Length: 120 m - 6 spans Critical span: unknown Capacity: 80 tons Water gap: n/a Remarks: none EIC 4 R8
30	Bridge	VS 087621	277.0	Crossing: RR line # 159 K at Dresden Type: Steel deck girder Length: 253 m - 9 spans Critical span: unknown Capacity: 80 tons Water gap: n/a Remarks: none EIC 6Q R8
31	Junction	VS 115628	280.0	Remarks: Junction Hwy Route XV
32	Junction	VS 130658	281.0	Remarks: Junction Hwy Route XV
33	City	VS 5971	332.0	Town: Bautzen Remarks: End of autobahn
34	City	VS 7761	355.0	Town: Labau Remarks: none
35	Bridge	VS 00126672	380.0	Crossing: Neisse River Type: Steel Warren Deck Truss Length: 90 m - 3 spans Critical span: unknown Capacity: 40 t Water gap: 54 m Remarks: none EIC 3 R9

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Route XVII

Stralsund (VA 7622) to Ullersreuth (PA 9990)

Route XVII, serving the major cities of Stralsund, Berlin, Halle, and Leipzig, is 531 km long and is in fair to excellent condition. From its origin at Stralsund (VA 7620) to Berlin, the highway travels through marshy terrain and requires extensive maintenance.

The route from Stralsund (UA 7620) to Berlin (UU 8729) varies in width from 6 - 10 meters and has a tarred macadam surface with large sections of cobblestone. From Berlin to Ullersreuth (PA 9990) it is autobahn with no restricting features and is in excellent condition.

There is a major construction area at Neubrandenburg (UV 8536) where it is planned to bypass the city and construct a marshalling yard overpass.

There are three low capacity bridges at UV 8536, UT 12674248 and PA 97788885.

ROUTE LOG

<u>No</u>	<u>Item</u>	<u>UTM</u>	<u>km</u>	<u>Remarks</u>
1	Start	UA 7620	0.0	Beginning of Route XVII at Stralsund
2	City	UV 9495	34.0	Town: Greifswald Remarks: none
3	Construction	UV 8536	104.0	Remarks: Bypass construction at Neubrandenburg.
4	City	UV 7114	130.0	Town: Neustrotitz Remarks: none
5	City	UU 8146	207.0	Town: Oranienburg Remarks: none
6	Bridge	UU 81914308	211.0	Crossing: Hohenzollern Canal Type: Steel bowstring Length: 50 m - 1 span Critical span: unknown Capacity: 70 tons Water gap: 50 m Remarks: none

EIC 165 N7

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<u>No</u>	<u>Item</u>	<u>UTM</u>	<u>km</u>	<u>Remarks</u>
7	City	UU 8729	237.0	Town: Berlin Remarks: none
8	Bridge	UU 75420698	263.0	Crossing: Tetlow Canal Type: Steel deck girder Length: 130 m - 2 spans Critical span: unknown Capacity: 60 tons Water gap: 35 m Remarks: none EIC 54 N7
9	Junction	UU 694956	276.0	Remarks: Route X junction
10	Junction	UT 578957	288.0	Remarks: Route X junction
11	Bridge	UT 17604890	354.0	Crossing: Elbe River Type: Steel Deck Girder Length: 634 m - 14 spans Critical span: unknown Capacity: 80 tons Water gap: 150 m Remarks: none EIC 2 P7
12	Bridge	UT 12074248	363.0	Crossing: Mulde River Type: Steel plate girder Length: 80 m - 10 spans Critical span: unknown Capacity: 25 tons Water gap: 56 m Remarks: Critical point. EIC 25 P6
13	Bridge	UT 12234178	364.0	Crossing: Raumer Stilling Brook & Lowlands Type: Steel plate girder Length: 154 m - 6 spans Critical span: unknown Capacity: 80 tons Water gap: 6 m Remarks: West lane open, east closed as of 1955. EIC 27 P6
14	Intersection	UT 052027	405.0	Intersection Route XIV

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February 1957

<u>No</u>	<u>Item</u>	<u>UTM</u>	<u>km</u>	<u>Remarks</u>
15	Bridge	US 04129585	430.0	Crossing: Lowlands Type: Steel plate girder Length: 106 m - 5 spans Capacity: 70 tons Water gap: n/a Remarks: none EIC 31 Q6
16	Bridge	US 04259313	432.0	Crossing: Saale-Elster Canal Type: Steel plate girder Length: 75.4 m - 3 spans Critical span: unknown Capacity: 70 tons Water gap: 45 m Remarks: Askew; each span a separate bridge on common abutments. EIC 35 Q6
17	Bridge	US 04159305	435.0	Crossing: Saale-Elster Canal Type: Steel deck girder Length: 100 m - 3 spans Critical span: 70 m Capacity: 80 tons Water gap: 60 m Remarks: none EIC 79 Q6
18	Intersection	QB 004408	475.0	Intersection Route XVI
19	Bridge	PA 978884	531.0	Crossing: Saale River Type: Masonry Arch Length: 300 m - 8 spans Critical span: unknown Water gap: 40 m Remarks: Critical point. Partly destroyed. End route. EIC 23 S6

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February 1957

Route XVIIIA

Berlin (UU 9818) - Freiwalde (VT 153571)

This short 80 km route connects route XVII at Berlin with Route XV at VT 047590.

The route is predominantly macadam. It has a traveled width of 8 meters with the exception of the last 9 km which is 6 meters wide. The route has 1 meter shoulders. The condition of the route varies from good to very good.

ROUTE LOG

No	Item	UTM	km	Remarks
1	Begin	UU 908180	0.0	Remarks: Beginning of Route at Berlin
3	Bridge	UU 90271296	10.0	Crossing: Tetlow Canal Type: Steel beam Length: 58 m - 3 spans Critical span: 32 m Capacity: 40 tons Water gap: 28 m Remarks: Width of roadway 12 m EIC 31 B3
3	Intersection	UT 942965	25.0	Intersection autobahn Berlin Ring and Route XVIIIA.
4	Bridge	UT 934862	37.0	Crossing: Notte Kanal at Zossen Type: Timber Trestle Length: 12.7 m - 3 spans Critical span: 7.0 m Capacity: unknown Water gap: 10.7 m Remarks: Width of roadway 8.5 m EIC 56 P8
5	City	UT 9767	60.0	Town: Baruth Remarks: none
6	City	VT 0459	70.0	Town: Galssen Remarks: none
7	Intersection	VT 153571	80.0	Remarks: Intersection Route XV. End of Route.

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Route XVIII

Hennsburg (NA 9493) to Zittau (VS 8737)

Route XVIII is a major east-west transportation route serving the southern area of East Germany. It begins at Henningen at the west German border and ends at Zittau on the Polish border. The length is 412 km.

The route meanders through mountainous terrain and has numerous gradual curves. The route is in good condition, but the road width varies from 5 - 8 meters with 0 - 2 meter shoulders. This route has a tarred macadam and cobblestone surface.

ROUTE LOG

No	Item	UTM	km	Remarks
1	Begin	NA 9493	0.0	Town: 2 km southwest of Hennsburg Remarks: Beginning of Route XVIII
2	City	PB 0002	12.0	Town: Meiningen Remarks: none
3	City	PA 3588	62.0	Town: Eisfeld Remarks: none
4	Bridge	PB 67431373	113.0	Crossing: Saale River at Saalfeld Type: Concrete arch Length: 100 m - 7 spans Critical span: unknown Capacity: unknown Water gap: 80 m Remarks: none EIC 13 S6
5	Bridge	PB 680143	114.0	Crossing: Canal Type: Steel deck Length: 50 m - 2 spans Critical span: 20 m Capacity: 7.9 tons Remarks: Critical point. EIC 26 S6

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<u>No</u>	<u>Item</u>	<u>UTM</u>	<u>km</u>	<u>Remarks</u>
6	City	PB 9324	144.0	Town: Neustadt Remarks: none
7	Intersection	QB 013246	152.0	Town: None Remarks: Intersection Route XVII
8	City	US 1423	200.0	Town: Werdau Remarks: none
9	Bridge	US 237216	211.0	Crossing: Zwickauer Mulde (at Zwickau) Type: Steel deck Length: unknown - 2 spans Critical span: unknown Capacity: unknown Water gap: unknown Remarks: none EIC 61 S7
10	City	US 5333	246.0	Town: Chemnitz Remarks: none
11	City	US 8342	282.0	Town: Freiburg Remarks: none
12	Bridge	US 859423	311.0	Crossing: Frieburger (Mulde) Type: Masonry arch Length: 185 m - 5 spans Critical span: unknown Capacity: 40 - 60 tons Water gap: 140 m Remarks: none EIC 176 R8
13	Bridge	VS 11255760	318.0	Crossing: Elbe River (at Dresden) Type: Masonry arch Length: 435 m - 14 spans Critical span: unknown Capacity: 40 - 60 tons Water gap: 140 m Remarks: none EIC 18 R8
14	City	VS 4264	354.0	Town: Bischofswerda Remarks: none

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<u>No</u>	<u>Item</u>	<u>UTM</u>	<u>km</u>	<u>Remarks</u>
15	City	VS 7050	388.0	Town: Ebersbach Remarks: none
16	City	VS 8638	410.0	Town: Zittau Remarks: none
17	End	VS 873371	412.0	Neisse River, End of Route # XVIII

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HIGHWAYS, EAST GERMANY

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Route XVIIIIA
Chemnitz (US 5434) to Blosenberg (QA 1284)

Route XVIIIIA extends from the intersection of Hwy Route XVIII near Chemnitz (US 5434) to the zonal West German border near Blosenberg (QA 1284). It runs generally NE and SW for a total distance of 86 km, serving the major cities of Chemnitz, Zwickau and Plauen.

The route is autobahn with one 7.5 meter wide operational lane. The cobblestone and concrete surracc is in good condition.

ROUTE LOG

<u>No</u>	<u>Item</u>	<u>UTM</u>	<u>km</u>	<u>Remarks</u>
1	Start	US 495510	0.0	Remarks: Beginning of route at intersection of route XVIII.
2	Bridge	US 356182	23.0	Crossing: Road & Valley Type: Steel Length: 120 m Critical span: unknown Capacity: 80 tons Water gap: n/a Remarks: none EIC 38 S7
3	Bridge	US 255164	32.0	Crossing: Mulde River, RR Line & Valley Type: Steel deck girder Length: 700 m - 7 spans Critical span: unknown Capacity: 80 tons Water gap: 20 m Remarks: none EIC 24 S7
4	Bridge	US 120065	49.0	Crossing: Valley Type: Masonry arch Length: 379 m - 5 spans Critical span: unknown Capacity: unknown Water gap: n/a Remarks: none EIC 6 S7

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<u>No</u>	<u>Item</u>	<u>UTM</u>	<u>km</u>	<u>Remarks</u>
5	Bridge	US091069	52.0	Crossing: Goerlitz River, RR Line, & road. Type: Concrete arch Length: 350 - 370 m - 3 spans Critical span: unknown Capacity: 60 tons Water gap: unknown Remarks: none EIC 85 S6
6	Bridge	UR 035999	61.0	Crossing: Trieb River Type: Masonry Arch Length: 373 m - 6 spans Critical span: unknown Capacity: 80 tons Water gap: unknown Remarks: none EIC 76 S6
7	Bridge	UR 006967	64.0	Crossing: Friesen Brook Type: Masonry arch Length: 200 m - 7 spans Critical span: unknown Capacity: 80 tons Water gap: unknown Remarks: none EIC 73 S6
8	Bridge	TR 91829074	77.0	Crossing: Weisse Elster River & RR Type: Masonry arch Length: 640 m - 12 spans Critical span: unknown Capacity: unknown Water gap: unknown Remarks: none EIC 89 S6
9	End	QA 110861	86.0	Border E & W Germany

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HIGHWAYS, EAST GERMANY

February 1957

Route XIX

Rostock (UV 1397) to Eisfeld (PA 3588)

This 527 km north-south route starts at Rostock (UV 1397) and terminates at the Czech Border (PA 3683).

The route is predominantly macadam with short stretches of cobblestone. It varies in width from 6 - 9 meters, with 1 - 2 meter shoulders. Its condition varies from poor to good.

As of 1955, the stretch of road in the vicinity of Plau (UV 1936) was almost untrafficable; however, reconstruction was contemplated as evidenced by alternating piles of sand and crushed rock along the road.

ROUTE LOG

<u>No</u>	<u>Item</u>	<u>UTM</u>	<u>km</u>	<u>Remarks</u>
1	City	UV 1397	0.0	Town: Rostock Remarks: Beginning of Route XIX
2	City	UV 1464	40.0	Town: Gustrow Remarks: none
3	Construction	UV 1627	82.0	Remarks: In the vicinity of Plau
4	Critical Point	UV 184271	83.0	Remarks: Stretch of road in this vicinity was almost untrafficable as of 1955. Construction was planned as evidenced by alternating piles of sand and crushed rock along this stretch of road.
5	City	UU 1192	120.0	Town: Fritzwalk Remarks: none
6	Intersection	UU 02861	140.0	Remarks: Intersection of route VI
7	Bridge	UU 02865724	159.5	Crossing: Havel River (North) Type: Reinforced concrete beam Length: 45 m - 3 spans Critical span: 15 m Capacity: unknown Water gap: 40 m Remarks: none

ETC 22 M6

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<u>No</u>	<u>Item</u>	<u>UTM</u>	<u>km</u>	<u>Remarks</u>
8	Bridge	UU 02875678	160.0	Crossing: Havel River (South at Havelberg) Type: Steel truss Length: 128.6 m - 7 spans Critical span: 29.4 m Capacity: 60 tons Water gap: 80 m Remarks: Width of roadway 18 m EIC 21 M6
9	Bridge	UU 06451068	211.0	Plauer Canal Type: Steel modified half through truss Length: 66 m Critical span: 66 m Capacity: 60 tons Water gap: 50 m Remarks: width of roadway 9 m EIC 16 N6
10	City	UU 0610	212.0	Town: Genthin Remarks: none
11	City	PC 9595	239.0	Town: Berg Remarks: none
12	Intersection	PC 918901	245.0	Intersection Autobahn study route X
13	Bridge	PC 866799	258.0	Crossing: Umflut Canal and Lowlands Type: Concrete slab & Girder Length: 3000 m - 31 spans Critical span: 16 m Capacity: 50 tons Water gap: 10 m Remarks: width of roadway 9 m EIC 125 P6
14	Bridge	PC 81617867	262.0	Crossing: Alte Elbe Type: Masonry arch Length: 176 m - 11 spans Critical span: 16 m Capacity: 60 tons Water gap: 120 m Remarks: width of roadway 6 m EIC 61 P6

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<u>No</u>	<u>Item</u>	<u>UTM</u>	<u>km</u>	<u>Remarks</u>
15	Bridge	PC 81347874	262.2	Crossing: Zoll Elbe Type: Masonry arch Length: 40 m - 3 spans Critical span: 1 at 20 m Capacity: 60 tons Water gap: 40 m Width of roadway 7 m EIC 68 P6
16	Bridge	PC 81087889	263.0	Crossing: Elbe River Type: Steel half thru truss Length: 120 0 - 3 spans Critical span: 1 at 40 m Water gap: 100 m Capacity: 40 tons Remarks: width of roadway 12 m EIC 130 P6
17	City	PC 8079	264.0	Town: Magdeburg Remarks: none
18	City	PC 7057	315.0	Town: Aschersleben Remarks: none
19	City	PC 7425	331.0	Town: Hettstedt Remarks: none
20	City	PC 5905	358.0	Town: Sangerhausen Remarks: none
21	Bridge	PB 593921	272.5	Crossing: Lowland Type: Concrete arch Length: 100 m - 10 spans Critical span: 1 at 10 m Capacity: unknown Water gap: n/a Remarks: none EIC 8 Q5
22	City	PB 4249	435.0	Town: Erfurt Remarks: none
23	Intersection	PB 410413	445.0	Intersection Study Route XVI
24	City	PB 3733	454.0	Town: Arnstadt Remarks: none

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<u>No</u>	<u>Item</u>	<u>UTM</u>	<u>km</u>	<u>Remarks</u>
25	City	PB 3516	475.0	Town: Ilmenau Remarks: none
26	Intersection	PA 355880	523.0	Intersection Study Route XVIII
27	End	PA 364837	527.0	Remarks: End of Route XIX at the East-West German border.

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Route # XXI

February 1957

Wismar (PE 6174) to Henneburg (NA 9593)

This major north-south transportation route serves the cities of Wismar, Schwerin, Nordhausen and Eisenach along the western border of East Germany. The route begins at Wismar (PE 6174), leaves East Germany at PD 4990, enters at PC 1722 and ends near Henneburg (NA 9593).

The route is generally in poor condition with varied terrain; the northern being flat to rolling while the southern is mountainous.

The route is 5 to 7 meters wide with 0-1 meter shoulders and has a surface of tarred macadam, cobblestone and unpaved macadam.

There is one critical point on the route at PD 49159070.

ROUTE LOG

<u>No.</u>	<u>Item</u>	<u>UTM</u>	<u>km</u>	<u>Remarks</u>
1	Border	PE 619741	0	Remarks: Beginning of route at Wismar
2	City	PE 5944	31	Town: Schwerin Remarks: none
3	City	PE 6611	67	Town: Ludwigslust Remarks: none
4	Bridge	PD 492908	99	Crossing: Elbe River and crossing to West Germany Type: unknown Length: 984 m - 16 spans Critical span: over river bed Capacity: unknown Water gap: 350 m Remarks: Critical point; portion over river destroyed. EIC 1 M5
5	Border	PC 178226	330	Remarks: Border East Germany - West Germany
6	City	PC 2407	352	Town: Nordhausen Remarks: none

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Route # XXI

February 1957

<u>No.</u>	<u>Item</u>	<u>UTM</u>	<u>km</u>	<u>Remarks</u>
7	City	PB 2992	370	Town: Sandershausen Remarks: none
8	City	PB 1563	406	Town: Langensalza Remarks: none
9	City	NB 932483	436	Town: Eisenach Remarks: none
10	City	PB 0002	487	Town: Meiningen Remarks: none
11	Border	NA 959935	506	Remarks: Border East Germany at Henneburg. End route.

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Route XXI B

Schwerin (PE 6043) to Pritzler (PE 3816)

Route XXIB beginning 2 km south of Schwerin (PE 6043) and ending at Pritzler (PE 3816) is a connecting link between Study Routes XXI and VIB. Its total length is 37 km

The route has 2 lanes and is 5.5 meters wide with 1 meter shoulders. From the origin near Schwerin to Warsaw (PE 5234), the surface is cobblestone in fair condition. The remaining distance to Pritzler is water bound macadam in good condition. It is expected that the surface of this section will be tarred.

The route is not considered important as a transportation route.

There is one critical point at PE 448233.

ROUTE LOG

<u>No</u>	<u>Item</u>	<u>UTM</u>	<u>km</u>	<u>Remarks</u>
1	Begin	PE 602434	0.0	Town: Schwerin Remarks: Beginning of Route XXIB
2	Bridge	PE 448233	27.0	Crossing: RR Route LLO A Type: Unknown Length: unknown Critical span: unknown Capacity: 5.5 tons Water gap: n/a Remarks: Critical point EIC 33 L5
3	End	PE 384168	37.0	Town: Pritzler Remarks: End of Route XXI B

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Route # XXI C

February 1957

Salzwedel (PD 4558) to Magdeburg (PC 8079)

This 96 km route begins at the East German border (PD 4664) and winds south through the cities of Salzwedel, Gardelegen and Magdeburg (PC 8079).

At its origin, this route handles little traffic, but the terminating section bears heavy military and civil traffic.

It has a tar macadam surface and is 7 m wide with 1 meter shoulders.

ROUTE LOG

<u>No.</u>	<u>Item</u>	<u>UTM</u>	<u>km</u>	<u>Remarks</u>
1	Border	PD 466640	0	Border East and West Germany, N. Salzwedel
2	City	PD 4558	8	Town: Salzwedel Remarks: none
3	City	PD 6223	51	Town: Gardelegen Remarks: none
4	City	PC 8079	96	Town: Magdeburg Remarks: none

XXI C

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HIGHWAYS
CENTRAL EUROPE

INDEX OF STUDY ROUTES
SCALE 1:1,000,000



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HIGHWAYS
CENTRAL EUROPE

INDEX OF STUDY ROUTES
SCALE 1:100,000



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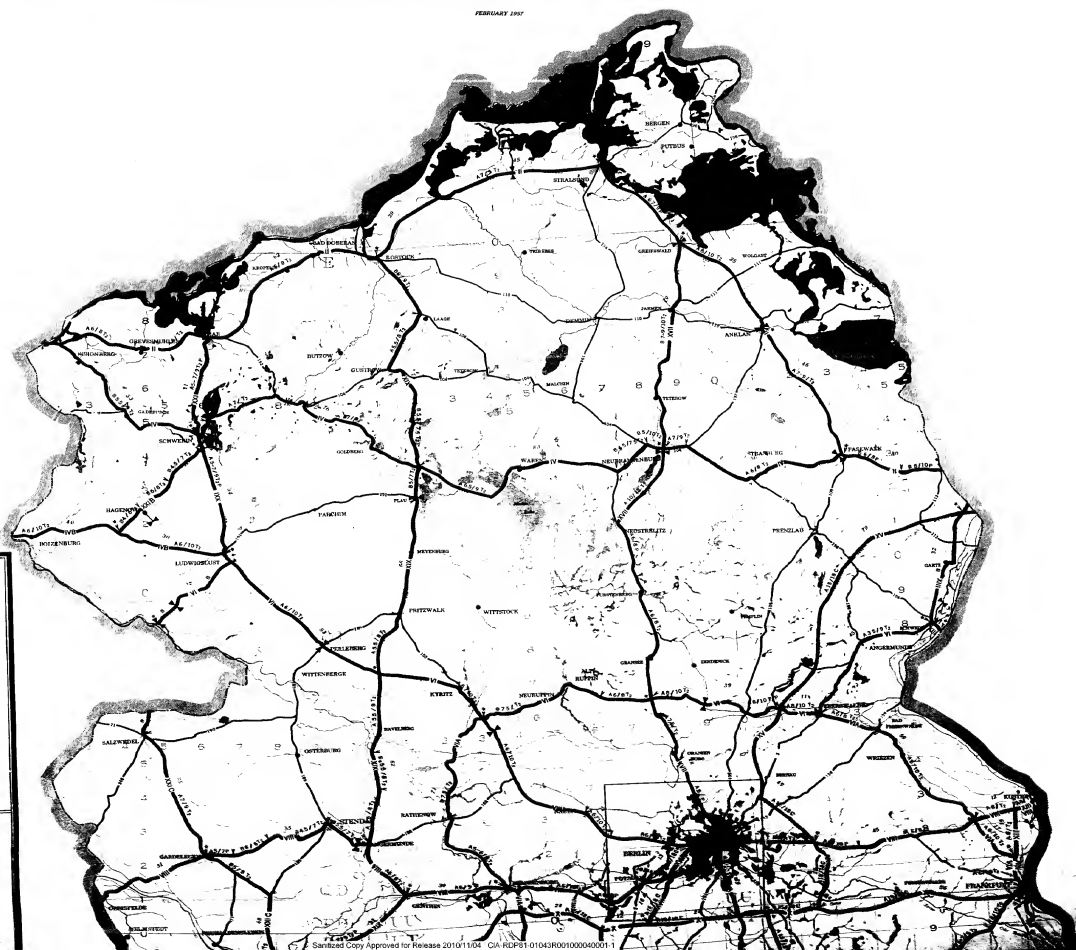
FEBRUARY 1967

H1

LEGEND

- FIRST CLASS ALL WEATHER HIGHWAY
- SECOND CLASS HIGHWAY
- GOOD FIVE WEATHER ROAD. POOR WET WEATHER ROAD
- THIRD CLASS HIGHWAY
- POOR FIVE WEATHER ROAD. BAD WET WEATHER ROAD
- CONSTRUCTION OR HEAVY REPAIR
- ROAD CLASSIFICATION PAINTED CLASS WHEN COMPLETED
- STREET ROUTE NUMBER
- NATIONAL HIGHWAY NUMBER
- CRITICAL POINT
- MOUNTAIN PASS
- STEEP GRADES
- DISTANCE IN KILOMETERS (BETWEEN POINTS)
- ROAD CLASSIFICATION (BETWEEN POINTS)

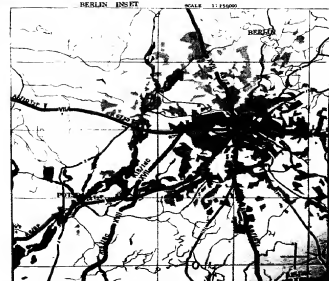
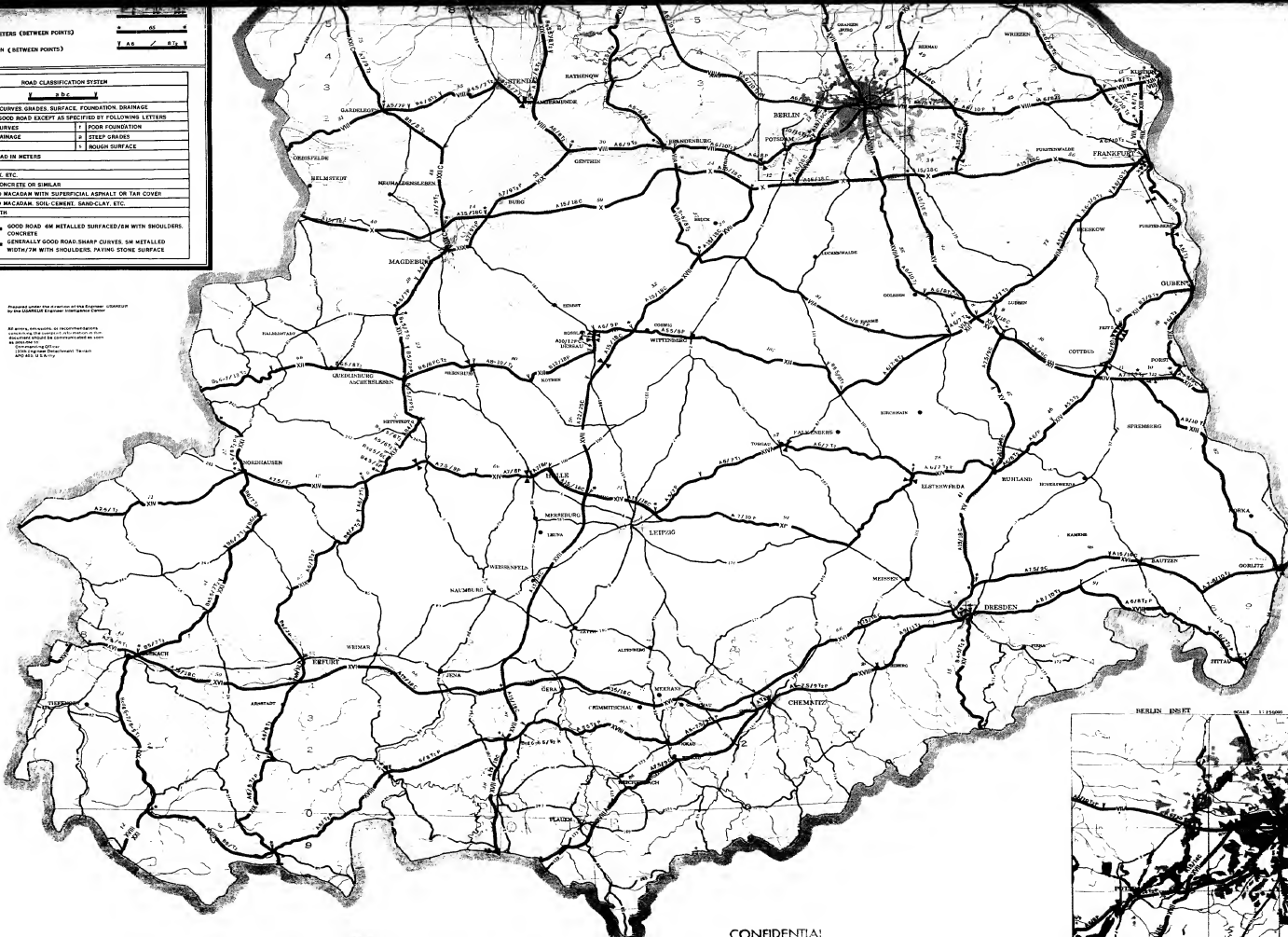
ROAD CLASSIFICATION SYSTEM	
A	GOOD ROAD CRUISED GRASSES, SURFACE, FIRMATION, DRAINAGE
B	NATIONALLY GOOD ROAD EXIST AS SPECIFIED BY FOLLOWING LETTERS
C	POOR ROAD
D	POOR ROAD
E	POOR ROAD
F	POOR ROAD
G	POOR ROAD
H	POOR ROAD
I	POOR ROAD
J	POOR ROAD
K	POOR ROAD
L	POOR ROAD
M	POOR ROAD
N	POOR ROAD
O	POOR ROAD
P	POOR ROAD
Q	POOR ROAD
R	POOR ROAD
S	POOR ROAD
T	POOR ROAD
U	POOR ROAD
V	POOR ROAD
W	POOR ROAD
X	POOR ROAD
Y	POOR ROAD
Z	POOR ROAD



SCALE IN KILOMETERS (BETWEEN POINTS) 0 50 100

ROAD CLASSIFICATION (BETWEEN POINTS) 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

ROAD CLASSIFICATION SYSTEM	
CLASS	DESCRIPTION
A	GOOD ROAD: CURVES, GRADES, SURFACE, FOUNDATION, DRAINAGE
B	GENERALLY GOOD ROAD EXCEPT AS SPECIFIED BY FOLLOWING LETTERS
C	SHARP CURVES
D	POOR DRAINAGE
E	POOR GRADES
F	ROUGH SURFACE
G	WIDTH OF ROAD IN METERS
H	CONCRETE
I	STONE, BRICK, ETC.
J	ASPHALTIC CONCRETE OR SIMILAR
K	WATERBOUND MACADAM WITH SUPERFICIAL ASPHALT OR TAR COVER
L	WATERBOUND MACADAM, SOIL-CEMENT, SAND-CLAY, ETC.
M	GRAVEL, SAND
N	GOOD ROAD 4M METALLED SURFACES/EN WITH SHOULDER, CONCRETE
O	GENERALLY GOOD ROAD, SHARP CURVES, 5M METALLED WIDTH/7M WITH SHOULDER, PAVING STONE SURFACE



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REGARDING DATA CANNOT BE DETERMINED